

What is claimed is:

1. A melt processable composition comprising:

(a) one or more thermoplastic hydrocarbon polymers;

(b) a fluoropolymer processing aid having

(i) poly(oxyalkylene) polymer; and

(ii) a fluoropolymer having interpolymerized units of vinylidene fluoride and at least one other monomer wherein the vinylidene fluoride content of the fluoropolymer is greater than 65% by weight, and wherein said melt processable composition upon extrusion achieves an extrudate exhibiting no melt defects at a lower level of said fluoropolymer processing aid when compared to a standard processing aid system.

2. The composition as recited in claim 1, wherein said vinylidene fluoride content of the fluoropolymer is greater than 75% by weight.

3. The composition as recited in claim 1, wherein said fluoropolymer processing aid has a poly(oxyalkylene) polymer to fluoropolymer ratio of 1:1 or greater.

4. The composition as recited in claim 1, wherein said melt processable composition has a fluoropolymer content of 400 ppm or less.

5. The composition as recited in claim 1, further comprising light stabilizers, antioxidants, antiblocking agents, slip agents, lubricants, fillers, flame retardants, foaming agents, nucleating agents, clarifying agents, colorants, coupling agents, compatibilizers, antistatic agents, antifogging agents, heat stabilizers, plasticizers, reinforcing agents, metal scavengers, acid/base scavengers, biocides or combinations thereof.

6. The composition as recited in claim 1, wherein the fluoropolymer is a thermoplastic polymer.

7. A melt processable composition comprising:

(a) one or more thermoplastic hydrocarbon polymers;

(b) a fluoropolymer processing aid having

(i) poly(oxyalkylene) polymer; and

(ii) a thermoplastic copolymer having interpolymers of vinylidene fluoride and at least one other monomer, wherein the vinylidene fluoride content of the fluoropolymer is greater than 85% by weight, and wherein said melt processable composition upon extrusion achieves an extrudate exhibiting no melt defects.

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8. The composition as recited in claim 7, wherein said fluoropolymer processing aid has a poly(oxyalkylene) polymer to fluoropolymer ratio of 1:1 or greater.

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9. The composition as recited in claim 7, wherein said melt processable composition has a fluoropolymer content of 400 ppm or less.

10. A melt processable composition comprising:

(a) one or more thermoplastic hydrocarbon polymers;

(b) a fluoropolymer processing aid having

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(i) poly(oxyalkylene) polymer; and

(ii) a fluoropolymer having interpolymers of vinylidene fluoride and at least one other monomer wherein the vinylidene fluoride content of the fluoropolymer is greater than 65% by weight and the amount of fluoropolymer in the melt processable composition is less than 200 ppm.

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11. The composition as recited in claim 10, wherein said vinylidene fluoride content of the fluoropolymer is greater than 75% by weight.

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12. The composition as recited in claim 10, wherein said fluoropolymer processing aid has a poly(oxyalkylene) polymer to fluoropolymer ratio of 1:1 or greater.

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13. The composition as recited in claim 10, further comprising light stabilizers, antioxidants, antiblocking agents, slip agents, lubricants, fillers, flame retardants, foaming agents, nucleating agents, clarifying agents, colorants, coupling agents, compatibilizers, antistatic agents, antifogging agents, heat stabilizers, plasticizers, reinforcing agents, metal scavengers, acid/base scavengers, biocides or combinations thereof.

14. The composition as recited in claim 10, wherein the fluoropolymer is a thermoplastic polymer.

15. A fluoropolymer processing aid comprising:

5 (a) poly(oxyalkylene) polymer; and

(b) a fluoropolymer having interpolymerized units of vinylidene fluoride and at least one other monomer wherein the vinylidene fluoride content of the fluoropolymer is greater than 65% by weight, and wherein fluoropolymer processing aid when added to a melt processable composition, achieves an extrudate exhibiting no melt defects at a lower level of fluoropolymer processing aid when compared to a standard processing aid system.

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16. The composition as recited in claim 15, wherein the fluoropolymer is a thermoplastic copolymer and the vinylidene fluoride content of the fluoropolymer is greater than 85% by weight.

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